
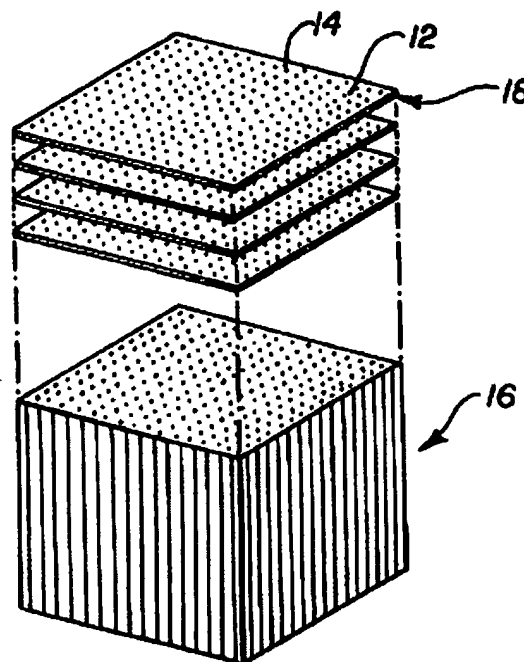


METHOD OF MAKING HIGH DENSITY ARRAYS**Patent number:** JP2001515735T**Publication date:** 2001-09-25**Inventor:****Applicant:****Classification:****- International:** C12Q1/68; C12M1/00; C12N15/09; G01N1/06;
G01N1/36; G01N1/30; G01N33/53; G01N33/566**- european:****Application number:** JP20000511049T 19980519**Priority number(s):** US19970927974 19970911; WO1998US10243
19980519**Also published as:** WO9913313 (A)
EP1012564 (A1)
EP1012564 (B1)
AU733589 (B2)

Abstract not available for JP2001515735T

Abstract of correspondent: **WO9913313**

A method of producing high density arrays of target substances comprising the step of sectioning a bundle of target-strands, wherein the target-strands comprise the target substances, and wherein the sectioning results in a plurality of high density arrays. Additionally, the method can include additional steps, such as stabilizing the target-strands or bundles, incorporating one or more additional materials into the high density array, and interrogating the high density array. Also, a high density array produced according to the method.



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(19) 日本国特許庁 (J P)

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特表2001-515735
(P2001-515735A)

(43) 公表日 平成13年9月25日 (2001.9.25)

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C 1 2 M	1/00	C 1 2 M	1/00 A 4 B 0 2 9
C 1 2 N	15/09	G 0 1 N	1/06 4 B 0 6 3
G 0 1 N	1/06		1/30
	1/36	33/53	M
審査請求 未請求 予備審査請求 有 (全 47 頁) 最終頁に続く			

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(86) (22) 出願日 平成10年5月19日 (1998.5.19)
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(32) 優先日 平成9年9月11日 (1997.9.11)
(33) 優先権主張国 米国 (U S)

(71) 出願人 ジェノベーションズ, インコーポレイテッド
アメリカ合衆国 アラバマ 35801, ハンツビル, エス. ダブリュー., メモリアル パークウェイ 2130
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アメリカ合衆国 アラバマ 35801, ハンツビル, リトル ストリート 2210
(74) 代理人 弁理士 山本 秀策

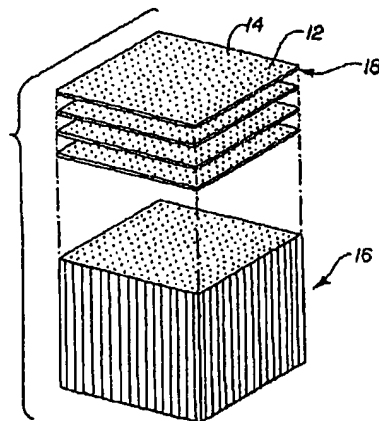
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(54) 【発明の名称】 高密度アレイを作製する方法

(57) 【要約】

標的物質の高密度アレイを製造する方法であって、この方法は標的ストランドのバンドルを切断する工程を包含し、ここで標的ストランドは標的物質を含み、そしてここで切断の結果複数の高密度アレイが得られる。さらに、この方法は、追加工程、例えば、標的ストランドまたはバンドルの安定化工程、1つ以上の追加物質を高密度アレイ中に取り込む工程、および高密度アレイに間い合わせする工程を包含し得る。また、本発明の方法に従って、高密度アレイが製造される。

FIG. 3



POWERED BY **Dialog**

Basic Patent (Number,Kind,Date): CA 2301539 AA 19990318

PATENT FAMILY:**Austria (AT)**

Patent (Number,Kind,Date): AT 235682 E 20030415
VERFAHREN ZUM ERSTELLEN VON ARRAYS HOHER DICHT (German)
Patent Assignee: BIOVENTURES INC (US)
Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): EP 98922436 A 19980519
Addnl Info: 1012564 20030326
IPC: * G01N-001/36; G01N-001/06
Derwent WPI Acc No: * C 99-254284
Language of Document: German

Austria (AT) - Legal Status

Number	Type	Date	Code	Text
AT 235682 R		20030415	AT REF	CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1012564 P 20030326

Australia (AU)

Patent (Number,Kind,Date): AU 9874985 A1 19990329
METHOD OF MAKING HIGH DENSITY ARRAYS (English)
Patent Assignee: GENOVATIONS INC
Author (Inventor): HUDSON JAMES R JR; DAWSON ELLIOTT P
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): AU 9874985 A 19980519
IPC: * G01N-001/36; G01N-001/06
Derwent WPI Acc No: * C 99-254284
Language of Document: English
Patent (Number,Kind,Date): AU 733589 B2 20010517
METHOD OF MAKING HIGH DENSITY ARRAYS (English)
Patent Assignee: BIOVENTURES INC
Author (Inventor): HUDSON JAMES R JR; DAWSON ELLIOTT P
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): AU 9874985 A 19980519
IPC: * G01N-001/36; G01N-001/06
Derwent WPI Acc No: * C 99-254284
Language of Document: English

Canada (CA)

Patent (Number,Kind,Date): CA 2301539 AA 19990318
METHOD OF MAKING HIGH DENSITY ARRAYS PROCEDE DE PRODUCTION DE RESEAUX
A HAUTE DENSITE (English; French)
Patent Assignee: GENOVATIONS INC (US)

Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): CA 2301539 A 19980519
IPC: * G01N-001/36

Language of Document: English

Patent (Number,Kind,Date): CA 2407257 AA 19990318
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French)

Patent Assignee: BIOVENTURES INC (US)

Author (Inventor): DAWSON ELLIOTT P (US); HUDSON JAMES R JR (US)

Priority (Number,Kind,Date): CA 2301539 A3 19980519; US 927974 A 19970911

Applic (Number,Kind,Date): CA 2407257 A 19980519

IPC: * G01N-001/28; G01N-001/36; C12Q-001/68

Derwent WPI Acc No: * C 99-254284

Language of Document: English

Patent (Number,Kind,Date): CA 2407260 AA 19990318
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French)

Patent Assignee: BIOVENTURES INC (US)

Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)

Priority (Number,Kind,Date): CA 2301539 A3 19980519; US 927974 A 19970911

Applic (Number,Kind,Date): CA 2407260 A 19980519

IPC: * G01N-001/28; G01N-001/36; C12Q-001/68

Derwent WPI Acc No: * C 99-254284

Language of Document: English

Patent (Number,Kind,Date): CA 2407263 AA 19990318
HIGH DENSITY ARRAY (English; French)

Patent Assignee: BIOVENTURES INC (US)

Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)

Priority (Number,Kind,Date): CA 2301539 A3 19980519; US 927974 A 19970911

Applic (Number,Kind,Date): CA 2407263 A 19980519

IPC: * G01N-001/28; G01N-001/36; C12Q-001/68

Derwent WPI Acc No: * C 99-254284

Language of Document: English

Patent (Number,Kind,Date): CA 2407265 AA 19990318
HIGH DENSITY ARRAY (English; French)

Patent Assignee: BIOVENTURES INC (US)

Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)

Priority (Number,Kind,Date): CA 2301539 A3 19980519; US 927974 A 19970911

Applic (Number,Kind,Date): CA 2407265 A 19980519

IPC: * G01N-001/28; G01N-001/36; G06F-017/40; C12Q-001/68

Derwent WPI Acc No: * C 99-254284

Language of Document: English

Patent (Number,Kind,Date): CA 2301539 C 20030617
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French)

Patent Assignee: GENOVATIONS INC (US)

Author (Inventor): DAWSON ELLIOTT P (US); HUDSON JAMES R JR (US)

Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519

Applic (Number,Kind,Date): CA 2301539 A 19980519

IPC: * G01N-001/36

Derwent WPI Acc No: * C 99-254284

Language of Document: English

Canada (CA) - Legal Status

Number	Type	Date	Code	Text
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CA 2301539 P 20000223 CA REFW CORRESPONDS TO PCT APPLICATION
(ENTSPRICHT PCT ANMELDUNG)
WO 9913313 P

CA 2301539 P 20030403 CA AFNE NATIONAL PHASE ENTRY
DATE: 20000223

CA 2301539 P 20030403 CA EEER EXAMINATION REQUEST
DATE: 20000223

CA 2407257 P 20030403 CA EEER EXAMINATION REQUEST
DATE: 20021113

CA 2407260 P 20030403 CA EEER EXAMINATION REQUEST
DATE: 20021113

CA 2407263 P 20030403 CA EEER EXAMINATION REQUEST
DATE: 20021113

CA 2407265 P 20030403 CA EEER EXAMINATION REQUEST
DATE: 20021113

China (CN)

Patent (Number,Kind,Date): CN 1269883 T 20001011
METHOD OF MAKING HIGH DENSITY ARRAYS (English)
Patent Assignee: GENOVATIONS INC (US)
Author (Inventor): HUDSON J R JR (US); DAWSON E P (US)
Priority (Number,Kind,Date): US 927974 A 19970911
Applic (Number,Kind,Date): CN 98809024 A 19980519
IPC: * G01N-001/36
Derwent WPI Acc No: * C 99-254284
Language of Document: Chinese

Germany (DE)

Patent (Number,Kind,Date): DE 69812655 C0 20030430
VERFAHREN ZUM ERSTELLEN VON ARRAYS HOHER DICHT (German)
Patent Assignee: BIOVENTURES INC (US)
Author (Inventor): HUDSON R (US); DAWSON P (US)
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): DE 69812655 A 19980519
IPC: * G01N-001/36
Derwent WPI Acc No: * C 99-254284
Language of Document: German

Patent (Number,Kind,Date): DE 69812655 T2 20030925
VERFAHREN ZUM ERSTELLEN VON ARRAYS HOHER DICHT (German)
Patent Assignee: BIOVENTURES INC (US)
Author (Inventor): HUDSON R (US); DAWSON P (US)
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): DE 69812655 A 19980519
IPC: * G01N-001/36
Language of Document: German

Germany (DE) - Legal Status

Number	Type	Date	Code	Text
DE 69812655 P		20030430	DE	CORRESPONDS TO
			REF	(ENTSPRICHT)
				EP 1012564 P 20030430

DE 69812655 P 20030925 DE 8373 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN
PATENT WAS RECEIVED AND HAS BEEN PUBLISHED
(UEBERSETZUNG DER PATENTSCHRIFT DES
EUROPAEISCHEN PATENTES IST EINGEGANGEN UND
VEROEFFENTLICHT WORDEN)

Denmark (DK)

Patent (Number,Kind,Date): DK 1012564 T3 20030721
FREMGANGSMAADE TIL AT FREMSTILLE HOEJTAETHEDSARRAYS (Danish)
Patent Assignee: BIOVENTURES INC (US)
Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): DK 9898922436 A 19980519
IPC: * G01N-001/36; G01N-001/06
Derwent WPI Acc No: * C 99-254284
Language of Document: Danish

European Patent Office (EP)

Patent (Number,Kind,Date): EP 1012564 A1 20000628
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French; German)
Patent Assignee: GENOVATIONS INC (US)
Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)
Priority (Number,Kind,Date): WO 98US10243 W 19980519; US 927974 A 19970911
Applic (Number,Kind,Date): EP 98922436 A 19980519
Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

IPC: * G01N-001/36; G01N-001-06
Derwent WPI Acc No: * C 99-254284
Language of Document: English

Patent (Number,Kind,Date): EP 1176413 A2 20020130
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French; German)
Patent Assignee: BIOVENTURES INC (US)
Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOT P (US)
Priority (Number,Kind,Date): EP 98922436 A3 19980519; US 927974 A 19970911
Applic (Number,Kind,Date): EP 2001203717 A 19980519
Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

IPC: * G01N-001/36; G01N-001/06; B01J-019/00
Derwent WPI Acc No: * C 99-254284
Language of Document: English

Patent (Number,Kind,Date): EP 1207383 A2 20020522
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French; German)
Patent Assignee: BIOVENTURES INC (US)
Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOT P (US)
Priority (Number,Kind,Date): EP 98922436 A3 19980519; US 927974 A 19970911
Applic (Number,Kind,Date): EP 2001203716 A 19980519
Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

IPC: * G01N-001/36; B01J-019/00
Derwent WPI Acc No: * C 99-254284
Language of Document: English

Patent (Number,Kind,Date): EP 1176413 A3 20020904
METHOD OF MAKING HIGH DENSITY ARRAYS (English; French; German)

Patent Assignee: BIOVENTURES INC (US)
 Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOT P (US)
 Priority (Number,Kind,Date): EP 98922436 A3 19980519; US 927974 A 19970911
 Applic (Number,Kind,Date): EP 2001001203717 A 19980519
 Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC;
 NL; PT; SE
 IPC: * G01N-001/36; B01J-019/00
 Derwent WPI Acc No: * C 99-254284
 Language of Document: English
 Patent (Number,Kind,Date): EP 1207383 A3 20020904
 METHOD OF MAKING HIGH DENSITY ARRAYS (English; French; German)
 Patent Assignee: BIOVENTURES INC (US)
 Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOT P (US)
 Priority (Number,Kind,Date): EP 98922436 A3 19980519; US 927974 A 19970911
 Applic (Number,Kind,Date): EP 2001001203716 A 19980519
 Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC;
 NL; PT; SE
 IPC: * G01N-001/36; B01J-019/00
 Derwent WPI Acc No: * C 99-254284
 Language of Document: English
 Patent (Number,Kind,Date): EP 1012564 B1 20030326
 METHOD OF MAKING HIGH DENSITY ARRAYS (English; French; German)
 Patent Assignee: BIOVENTURES INC (US)
 Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)
 Priority (Number,Kind,Date): WO 98US10243 W 19980519; US 927974 A 19970911
 Applic (Number,Kind,Date): EP 98922436 A 19980519
 Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC;
 NL; PT; SE
 IPC: * G01N-001/36; G01N-001-06
 Derwent WPI Acc No: * C 99-254284
 Language of Document: English

European Patent Office (EP) – Legal Status

Number	Type	Date	Code	Text
EP 1012564 P		19970911	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 927974 A 19970911
EP 1012564 P		19980519	EP AA	PCT-APPLICATION (PCT-ANMELDUNG) WO 98US10243 W 19980519
EP 1012564 P		19980519	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 98922436 A 19980519
EP 1012564 P		20000628	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1012564 P		20000628	EP AX	ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGS- GEBUEHREN)

		AL PAYMENT 20000407;LT PAYMENT 20000407;LV PAYMENT 20000407;MK PAYMENT 20000407;RO PAYMENT 20000407;SI PAYMENT 20000407
EP 1012564 P	20000628 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1012564 P	20000628 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000407
EP 1012564 P	20010711 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010528
EP 1012564 P	20011024 EP RAP1	APPLICANT REASSIGNMENT (CORRECTION) (ANMELDER UEBERTRAGUNG (KORR.)) BIOVENTURES, INC.,
EP 1012564 P	20011128 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2001203717 A 20011002
EP 1012564 P	20020102 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2001203716 A 20011002
EP 1012564 P	20020102 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2001203717 A 20011002
EP 1012564 P	20020130 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1176413 P
EP 1012564 P	20020522 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1207383 P
EP 1012564 P	20030326 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1207383 %EP 2001203716 A 20011002
EP 1012564 P	20030326 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1176413 %EP 2001203717 A 20011002
EP 1012564 P	20030326 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1012564 P	20030326 EP AX	EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF) AL PAYMENT 20000407;LT PAYMENT 20000407;LV PAYMENT 20000407;MK PAYMENT 20000407;RO

		PAYMENT 20000407;SI PAYMENT 20000407
EP 1012564 P	20030326 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1012564 P	20030326 GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1012564 P	20030326 EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 235682 R 20030415
EP 1012564 P	20030327 CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1012564 P	20030327 CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1012564 P	20030430 IE FG4D/REG	EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
EP 1012564 P	20030430 EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69812655 P 20030430
EP 1012564 P	20030721 DK T3/REG	TRANSLATION OF EP PATENT
EP 1012564 P	20030801 ES FG2A/REG	DEFINITIVE PROTECTION (PROTECCION DEFINITIVA) 2190591T3
EP 1012564 P	20030925 EP LTIE	LT: INVALIDATION OF EUROPEAN PATENT EXTENSION DATE: 20030326
EP 1012564 P	20031112 EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) GR
EP 1012564 P	20040102 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1012564 P	20040317 EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) DATE: 20031230
EP 1176413 P	19970911 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 927974 A 19970911
EP 1176413 P	19980519 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 98922436 A3 19980519
EP 1176413 P	19980519 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2001203717 A 19980519
EP 1176413 P	20020130 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 1012564 P
EP 1176413 P	20020130 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

		AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1176413 P	20020130 EP AX	EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF) AL;LT;LV;MK;RO;SI
EP 1176413 P	20020130 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VERÖFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1176413 P	20020904 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1176413 P	20020904 EP AX	EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF) AL;LT;LV;MK;RO;SI
EP 1176413 P	20020904 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VERÖFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1176413 P	20020904 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7G 01N 1/36 A, 7B 01J 19/00 B
EP 1176413 P	20030115 EP 17P	REQUEST FOR EXAMINATION FILED (PRÜFUNGSANTRAG GESTELLT) 20021120
EP 1176413 P	20030502 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRÜFUNGSBESCHEID) 20030318
EP 1176413 P	20030521 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBÜHREN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1207383 P	19970911 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITÄT (PATENTANMELDUNG)) US 927974 A 19970911
EP 1207383 P	19980519 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 98922436 A3 19980519
EP 1207383 P	19980519 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG) EP 2001203716 A 19980519
EP 1207383 P	19980519 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG) EP 2001001203716 A 19980519
EP 1207383 P	20020522 EP AC	DIVISIONAL APPLICATION (ART. 76) OF:

(TEILANMELDUNG (ART. 76) AUS:)
EP 1012564 P

EP 1207383 P	20020522 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1207383 P	20020522 EP AX	EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF) AL;LT;LV;MK;RO;SI
EP 1207383 P	20020522 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VERÖFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1207383 P	20020904 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1207383 P	20020904 EP AX	EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF) AL;LT;LV;MK;RO;SI
EP 1207383 P	20020904 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VERÖFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1207383 P	20030115 EP 17P	REQUEST FOR EXAMINATION FILED (PRÜFUNGSANTRAG GESTELLT) 20021120
EP 1207383 P	20030502 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRÜFUNGSBESCHEID) 20030318
EP 1207383 P	20030521 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBÜHREN) AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Spain (ES)

Patent (Number,Kind,Date): ES 2190591 T3 20030801
 METODO DE PRODUCIR DISPOSICIONES ORDENADAS DE ALTA DENSIDAD. (Spanish)
 Patent Assignee: BIOVENTURES INC
 Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)
 Priority (Number,Kind,Date): US 927974 A 19970911
 Applic (Number,Kind,Date): ES 98922436 EP 19980519
 Addnl Info: 1012564 EP patent valid in AT
 IPC: * G01N-001/36; G01N-001-06

Language of Document: Spanish

Spain (ES) – Legal Status

Number	Type	Date	Code	Text
ES 2190591	P	20030801	ES FG2A	DEFINITIVE PROTECTION (PROTECCION DEFINITIVA) 1012564

Israel (IL)

Patent (Number,Kind,Date): IL 134702 A0 20010430
HIGH DENSITY ARRAYS AND METHODS OF MAKING THE SAME (English)
Patent Assignee: GENOVATIONS INC
Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
Applic (Number,Kind,Date): IL 134702 A 19980519
IPC: * G01N
Derwent WPI Acc No: * C 99-254284
Language of Document: English

Patent (Number,Kind,Date): IL 151420 A0 20030410
HIGH DENSITY ARRAYS AND METHODS OF MAKING THE SAME (English)
Patent Assignee: BIOVENTURES INC
Priority (Number,Kind,Date): IL 134702 A3 19980519; US 927974 A 19970911; WO 98US10243 W 19980519

Applic (Number,Kind,Date): IL 151420 A 19980519
IPC: * G?

Language of Document: English

Patent (Number,Kind,Date): IL 151421 A0 20030410
HIGH DENSITY ARRAYS AND METHODS OF MAKING THE SAME (English)
Patent Assignee: BIOVENTURES INC
Priority (Number,Kind,Date): IL 134702 A3 19980519; US 927974 A 19970911; WO 98US10243 W 19980519

Applic (Number,Kind,Date): IL 151421 A 19980519
IPC: * G0?

Language of Document: English

Patent (Number,Kind,Date): IL 151422 A0 20030410
METHODS OF MAKING HIGH DENSITY ARRAYS AND HIGH DENSITY ARRAYS PRODUCED THEREBY (English)

Patent Assignee: BIOVENTURES INC
Priority (Number,Kind,Date): IL 134702 A0 19980519; US 927974 A 19970911; WO 98US10243 W 19980519

Applic (Number,Kind,Date): IL 151422 A 19980519
IPC: * G0?

Language of Document: English

Patent (Number,Kind,Date): IL 151423 A0 20030410
METHODS OF MAKING HIGH DENSITY ARRAYS AND HIGH DENSITY ARRAYS PRODUCED THEREBY (English)

Patent Assignee: BIOVENTURES INC
Priority (Number,Kind,Date): IL 134702 A3 19980519; US 927974 A 19970911; WO 98US10243 W 19980519

Applic (Number,Kind,Date): IL 151423 A 19980519
IPC: * G01?

Language of Document: English

Japan (JP)

Patent (Number,Kind,Date): JP 2001515735 T2 20010925
 Priority (Number,Kind,Date): US 927974 A 19970911; WO 98US10243 W 19980519
 Applic (Number,Kind,Date): JP 2000511049 A 19980519
 IPC: * C12Q-001/68; C12M-001/00; C12N-015/09; G01N-001/06; G01N-001/36; G01N-001/30; G01N-033/53; G01N-033/566
 Derwent WPI Acc No: * C 99-254284
 Language of Document: Japanese

United States of America (US)

Patent (Number,Kind,Date): US 20010019827 AA 20010906
 METHOD OF MAKING HIGH DENSITY ARRAYS (English)
 Patent Assignee: DAWSON ELLIOTT P (US); HUDSON JAMES R (US)
 Author (Inventor): DAWSON ELLIOTT P (US); HUDSON JAMES R (US)
 Priority (Number,Kind,Date): US 827505 A 20010406; US 145140 B1 19980828; US 927974 B3 19970911
 Applic (Number,Kind,Date): US 827505 A 20010406
 National Class: * 435006000; 435007100; 156244180
 IPC: * C12Q-001/68; G01N-033/53
 Derwent WPI Acc No: * C 99-254284
 Language of Document: English
 Patent (Number,Kind,Date): US 20030096292 AA 20030522
 METHOD OF MAKING HIGH DENSITY ARRAYS (English)
 Patent Assignee: DAWSON ELLIOTT P (US); HUDSON JAMES R (US)
 Author (Inventor): DAWSON ELLIOTT P (US); HUDSON JAMES R (US)
 Priority (Number,Kind,Date): US 317927 A 20021211; US 827505 A3 20010406; US 145140 B1 19980828; US 927974 B3 19970911
 Applic (Number,Kind,Date): US 317927 A 20021211
 National Class: * 435006000; 435287200; 435007900
 IPC: * C12Q-001/68; G01N-033/53; G01N-033/542; C12M-001/34
 Derwent WPI Acc No: * C 99-254284
 Language of Document: English

United States of America (US) - Legal Status

Number	Type	Date	Code	Text
US 20010019827 P		19970911	US AA	PRIORITY US 927974 B3 19970911
US 20010019827 P		19980828	US AA	PRIORITY US 145140 B1 19980828
US 20010019827 P		20010406	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 827505 A 20010406
US 20010019827 P		20010906	US A1A1	PATENT APPLICATION PUBLICATION (PRE-GRANT)
US 20030096292 P		19970911	US AA	PRIORITY US 927974 B3 19970911
US 20030096292 P		19980828	US AA	PRIORITY US 145140 B1 19980828
US 20030096292 P		20010406	US AA	PRIORITY (DIVISION) US 827505 A3 20010406
US 20030096292 P		20021211	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 317927 A 20021211

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A1A1 GRANT)

World Intellectual Property Organization, PCT (WO)

Patent (Number,Kind,Date): WO 9913313 A1 19990318

METHOD OF MAKING HIGH DENSITY ARRAYS (English)

Patent Assignee: GENOVATIONS INC (US); HUDSON JAMES R JR (US); DAWSON

ELLIOTT P (US)

Author (Inventor): HUDSON JAMES R JR (US); DAWSON ELLIOTT P (US)

Priority (Number,Kind,Date): US 927974 A 19970911

Applic (Number,Kind,Date): WO 98US10243 A 19980519

Designated States: (National) AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ;
DE; DK; EE; ES; FI; GB; GE; GH; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT;
UA; UG; US; UZ; VN; YU; ZW (Regional) GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AM; AZ; BY; KG;
KZ; MD; RU; TJ; TM; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF;
BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

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Language of Document: English

World Intellectual Property Organization, PCT (WO) - Legal Status

Number	Type	Date	Code	Text
WO 9913313 P		19970911	WO AA	PRIORITY (PATENT) US 927974 A 19970911
WO 9913313 P		19980519	WO AE	APPLICATION DATA (APPL. DATA) WO 98US10243 A 19980519
WO 9913313 P		19990318	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
WO 9913313 P		19990318	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
WO 9913313 P		19990318	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE

		INTERNATIONAL SEARCH REPORT)
WO 9913313 P	19990520 WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9913313 P	19990602 WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9913313 P	20000223 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: CA 2301539 AA
WO 9913313 P	20000311 WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: KR
WO 9913313 P	20000713 DE	IMPACT ABOLISHED FOR DE
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INPADOC/Family and Legal Status

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